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WHAT IS CLAIMED IS:

1. A device ~~Device~~ for connecting a longitudinal carrier (11) to a bone fixation means (1), ~~particularly a pedicle screw~~ the device comprising

A) a connection element having a ~~(5) arranged coaxial to the~~ central axis (2), ~~with an external surface,~~ an upper end (6), a lower end (7), a cavity (8) extending coaxially along to the central axis (2) ~~passing through the connection element (5) from the upper end (6) to the~~ lower end (7), ~~which is designed tapering towards its~~ the cavity having a reduced diameter portion at the lower end (7) forming by means of at least one shoulder (9) therein, and a channel (10) passing through the connection element (5) transversely to the central longitudinal ~~axis~~ axis (2) for receiving the a longitudinal carrier (11);

B) a sealing cap (12), ~~comprising~~ having a front end (20), a rear end (19), a second cavity (18) opening at the front end (20) for receiving the connection element (5), and a second channel (17) extending transversely to the central axis (2) and opening towards the front end (20) of the sealing cap (12); and

C) tensioning means (13), ~~which can be fixed to~~ for engaging the rear end of the sealing cap (12) ~~at its rear end (19) and by means of which a~~ for securing the position of the longitudinal carrier (11) inserted in the channel (10) with respect to ~~can be fixed in the~~ connection element (5), ~~whereby~~

D) ~~externally on~~ wherein the external surface of the connection element (5) and the internal surface of ~~in~~ the second cavity (18) formed in the sealing cap contains complementary (12) latch in arresting means (21) ~~are arranged complementary to each other,~~ ~~which serve~~ for securing the sealing cap (12) to the connection element (5), and

wherein characterised in that E) the device further includes ~~comprises~~ securing means (35) ~~wherewith the screw head 30 of~~ so that the bone fixation means 1 is prevented from passing through ~~is secured from driving out of~~ the cavity 8.

2. The device ~~Device~~ according to claim 1, wherein characterised in that the arresting means (21) are arranged ~~in a cross-section surface~~ orthogonal to the central axis (2) on the periphery of the connection element (5) and on the periphery of the second cavity (18) in the sealing cap (12).

1 3. The device ~~Device~~ according to claim 2, wherein ~~characterised in that~~ the
2 arresting means (21) ~~comprise~~ includes a plurality of bulges formed on the external surface of
3 ~~(15) externally on the connection element (5) and a plurality of complementary depressions (16)~~
4 formed in the second cavity (18) of in the sealing cap (12).

1 4. The device ~~Device~~ according to ~~one of the claims 1 to 3, characterised in that~~
2 wherein the shoulder has (9) ~~comprises~~ a level bearing surface (25) of circular-ring shape
3 ~~concentric to the central axis (2).~~

1 5. The device ~~Device~~ according to ~~one of the claims 1 to 4, characterised in that~~
2 wherein the sealing cap further includes ~~comprises (12)~~ two slots (34) arranged orthogonal to the
3 second channel (17), the slots extending from the front end of the sealing cap which penetrate the
4 wall of the sealing cap (12) from the direction of the front end (20).

1 6. The device ~~Device~~ according to ~~one of the claims 1 to 5, further comprising~~
2 ~~characterised in that it comprises a bone fixation means~~ having (1) ~~with a central axis (2), a front~~
3 segment (3) and an axially adjoining rear segment (4), wherein the rear segment (4) has a
4 cylindrical ~~or prismatic~~ form for engaging the shoulder, and the front segment (3) extends
5 through the lower end of the connection element for engaging ~~is used for fixation to a bone, and~~
6 ~~that the rear segment (4) of the bone fixation means (4) is arrested by the shoulder (9) axial~~
7 ~~towards the lower end (7) of the connection element (5) whereas the front segment (3) of the~~
8 ~~bone fixation means (1) protrudes axially at the lower end (7) of the connection element (5).~~

1 7. The device ~~Device~~ according to claim 6, wherein ~~characterised in that~~ the bone
2 fixation means (1) is a pedicle screw with a screw shaft (24) having an external thread (26) and a
3 screw head (30) at an the end position thereof.